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17 October 1979

MEMORANDUM FOR THE RECORD

SUBJECT: CCF and ARTISS Briefing

1. <u>General</u>

DIA 25X1 On Wednesday 17 October 1979, [   ] USAF (DIA-DClB,   25X1
[   ] briefed the DASITT on the Collection Coordination
Facility (CCF) and the Advanced Requirements Tasking Information Support
System (ARTISS). The briefing was held at the CCF in the NMIC. DASITT
attendees were:

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    All other members of DASITT were notified in advance of the briefing. [   ]

2. <u>Data Flow</u>

     The attachment to this memorandum is a draft of the CCF data flow
description which will eventually be incorporated into "Satellite Imagery
Data Flow Baseline Report". Please refer to the attachment for a general
description of the CCF. [   ]   25X1

3. <u>Basic Concept</u>

     The CCF is involved in Multi-source interactive tasking which
involves:

25X1   -[   ] capabilities.
              - limited resources.
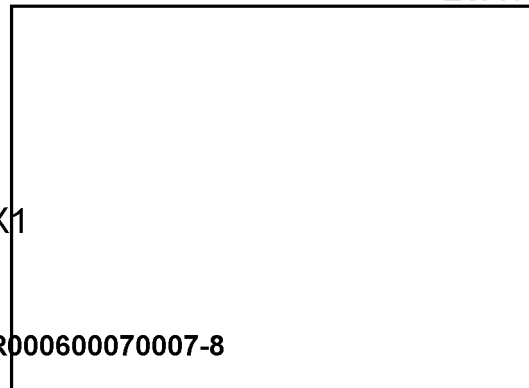   - multiple "single-source" controls.

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NRO review(s) completed.

DIA review(s) completed.

WARNING NOTICE
INTELLIGENCE SOURCES
AND METHODS INVOLVED

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The CCF must access up-to-the-minute information on intelligence known about a target, status of collection resources, and friendly force deployment. For all collection actions the CCF is involved with, it must maintain status and provide and audit record.

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4. Interactive Tasking

The CCF believes that they will eventually be involved in interactive tasking of the [   ] Little additional information was given on this topic.

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5. Deficiencies and Problems

Several problems with current procedures were identified. It was stated that these problems were bad during a crisis, particularly since 25X1 [   ] New ADP systems, the CCF/SS and later ARTISS, are being developed primarily to address these problems. The problems are:

1. The CCF uses multiple ADP systems: AIRES, CAMS, SOLIS, HIMS, and the NMIC PDP 11/45. Each of these systems has a unique terminal and unique procedures for data base queries, etc. (1) Therefore every CCF watch officer must learn to use all of the systems. Further, he must constantly walk from terminal to terminal as he seeks information, jotting down notes from one screen to be typed into another terminal.

2. All computer output from the various terminals must be collated by cut and paste.

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6. CCF/SS

The CCF Support System (CCF/SS) is an interim computer system on a PDP-11/45 which will soon be installed at the CCF. CCF/SS will support some CCF functions and will provide access to DIAOLS/COINS and AIRES. CCF/SS is being built to permit interoperability of systems and to remedy some of the problems described above. Figure 1 shows the CCF/SS 25X1 interfaces.

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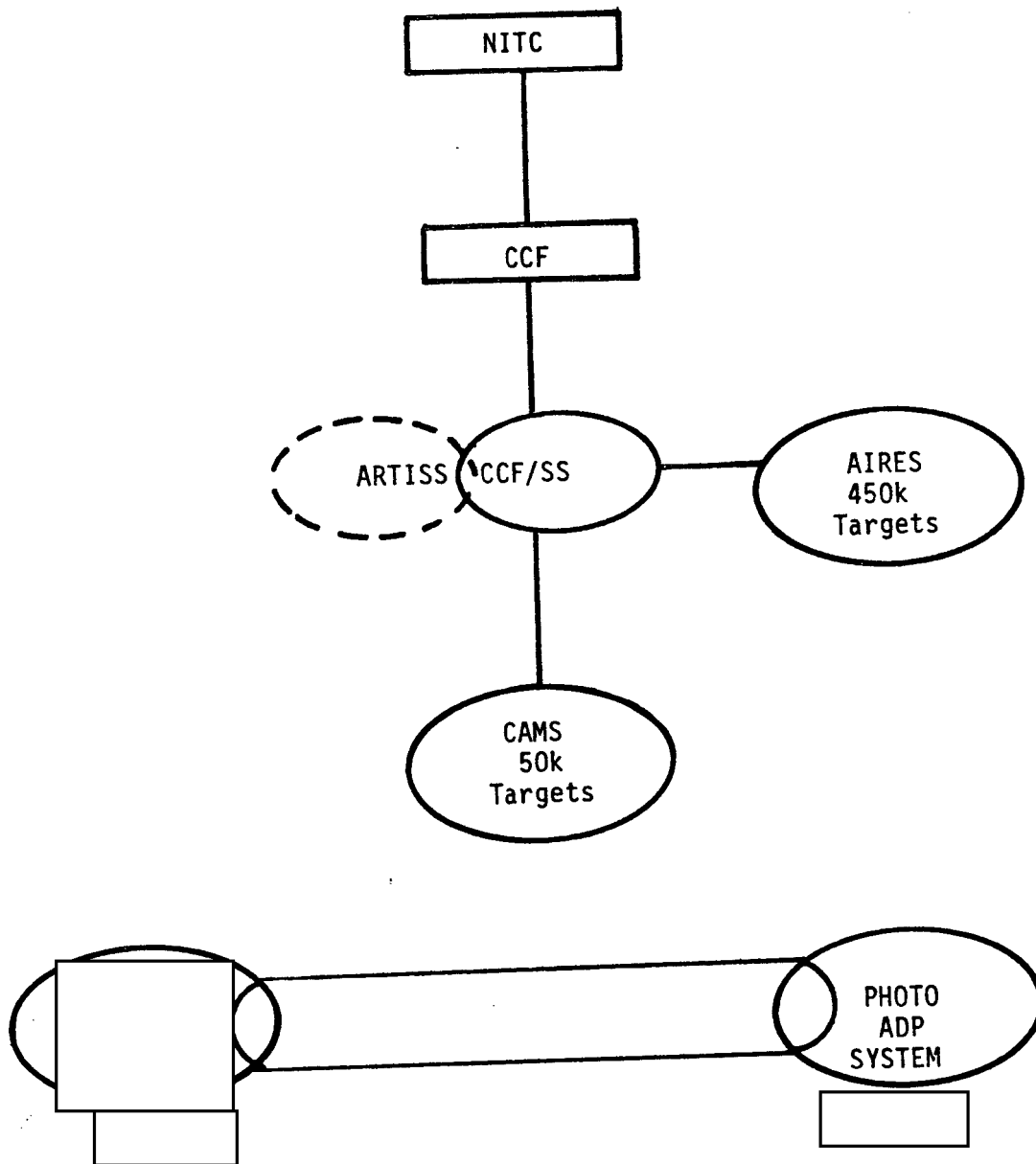NITC

CCF

ARTISS   CCF/SS   AIRES
450k
Targets

CAMS
50k
Targets

PHOTO
ADP
SYSTEM

25X1

25X1

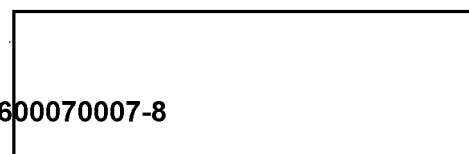Figure 1 : CCF/SS Interfaces with Imagery Systems

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7. __ARTISS__

The Advanced Requirements Tasking Information Support System (ARTISS) will provide a greater degree of interoperability than CCF/SS. A contract for a one-year ARTISS feasibility study will be awarded in December 1979. It <u>is intended</u> that ARTISS will support the CCF, the

25X1   NITC, and others.

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5-RM Registry
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1 November 1979

Draft Subsection of Satellite Imagery Data Flow Baseline Report

(Section 6, Data Flow Node Descriptions, Subsection: CCF)

1. **Cross Reference**

    a. Node Name: Collection Coordination Facility (CCF)

    b. Participants: Subelements of DIA-DC

    c. ADP Systems: CAMS, AIRES, SOLIS (for COMINT and ELINT), HIMS (for HUMINT via DIAOLS/COINS), NMIC PDP 11/45.

    d. Telecommunications Systems: Dedicated lines supporting terminals for ADP Systems listed above, support from NMIC communications center.

    e. Incoming Data Bases: Data Bases on ADP Systems listed above.

    f. Outgoing Data Bases: Same.

    g. Point of Contact:

2. **Objectives**

    The role of the CCF is to support the Unified and Specified Commands, the JCS, and OSD with time-sensitive (less than 48 hours) collection tasking. The CCF is the DOD focal point for this and is the only organization in DOD authorized to task all source: PHONTINT, ELINT, COMINT, Special Sensors, and HUMINT. The CCF operates 24 hours a day every day and emphasizes use of the same people and the same procedures for peacetime operations, increased tensions, crisis, or war. Thus, the CCF does not have to be augmented with possibly inexperienced personnel during a crisis. The CCF has existed since

    The CCF is concerned only with time-dominated, ad-hoc collection tasking.

3. **Program Participants**

    NTI

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4. <u>Data Flow</u>

Figure CCF-1 presents the CCF Data Flow Description Diagram. Several points, which expand the data flow description are listed Below:

1. When the CCF is given a collection requirement, the following internal steps are normally followed:

- define collection objectives.
- review and enumerate potential collection resources (all source).
- determine collector status.
- prepare a resource matrix listing possible collectors, status, resource conflicts, timeliness, etc.
- prepare an all source collection plan.

2. CCF is normally alerted by phone prior to receipt of the official collection request (Form 1684). This time is used to build up the collection proposal on CAMS which requires 35-40 minutes of typing for a new target. Upon receipt of the 1684, the collection request is released to CAMS.

3. The CAMS and AIRES data bases are typically queried extensively (from distinct terminals) in formulating a collection request.

4. Almost all exploitation tasking is for ⬚ DB-5 is rarely tasked by the CCF.

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5. CCF monitors the T + 5 (on AIRES ?) to determine when a target is imaged.

6. The CCF rarely tasks the ⬚

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7. All tasking is through CAMS. The CCF never circumvents CAMS unless CAMS is down, and then its only through the usual CSC backup procedure.

8. Ad-hoc collection tasking never is input through AIRES. CCF handles time-sensitive ad-hocs using CAMS. DC5 handles non-time sensitive ad-hocs, also using CAMS. AIRES does get the information one or two weeks later during a CAMS data base vs. AIRES data base check. ⬚

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5. <u>Products</u>

25X1 There are <u>no formal imagery</u> products from the CCF. See data flow descriptions. ⬚
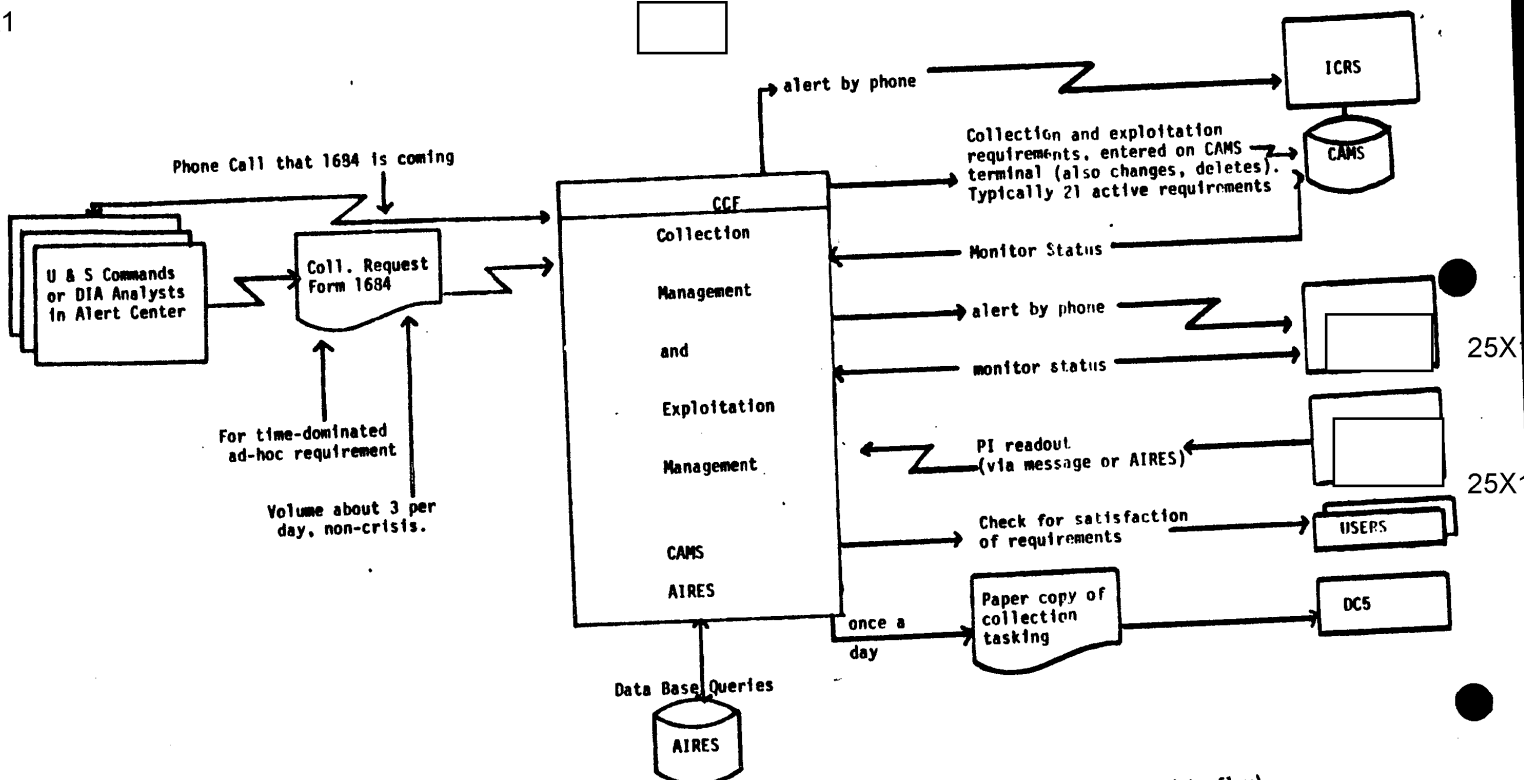
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Figure CCF-1: CCF Data Flow Description Diagram.
(Note: CCF is an all source collection management node. This figure includes only satellite imagery data flow).

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6. Timeliness

All activities of the CCF are time-dominated. Typically collection is accomplished [   ]. Fairly frequently collection is accomplished [   ] that it was tasked; this requires release to CAMS by 1600 and CAMS release to [   ] by 1900. [   ]
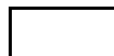
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